

TITLE
PROCESS FOR THE BIOLOGICAL PRODUCTION
OF 1,3-PROPANEDIOL WITH HIGH YIELD

ABSTRACT

5 The present invention provides a microorganism useful for
biologically producing 1,3-propanediol from a fermentable carbon source
at higher yield than was previously known. The complexity of the cofactor
requirements necessitates the use of a whole cell catalyst for an industrial
process that utilizes this reaction sequence to produce 1,3-propanediol.
10 The invention provides a microorganism with disruptions in specified
genes and alterations in the expression levels of specified genes that is
useful in a higher yielding process to produce 1,3-propanediol.

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